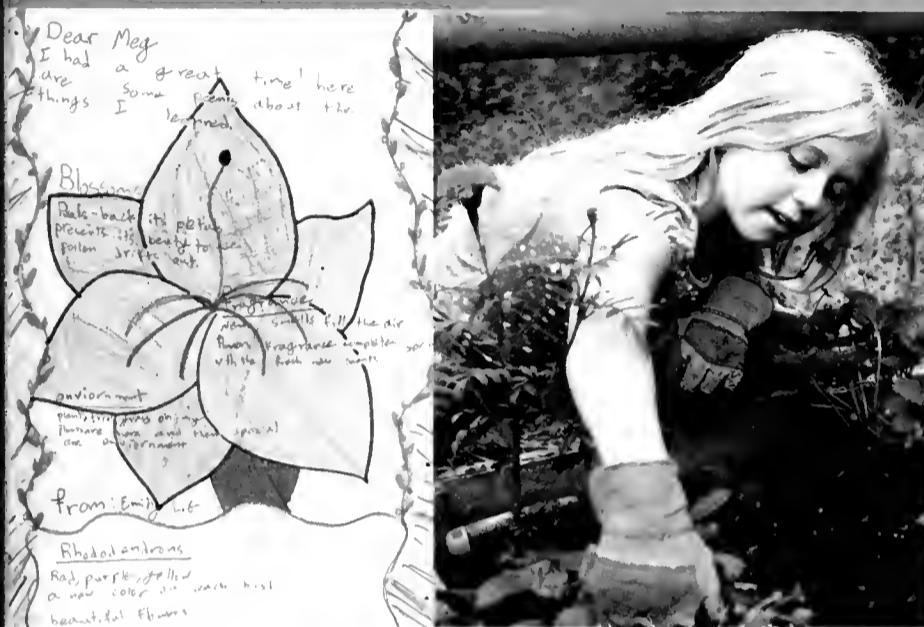


Camas Quarterly

QUARTERLY NEWSLETTER OF THE UNIVERSITY OF WASHINGTON BOTANIC GARDENS • COLLEGE OF FOREST RESOURCES



Artwork and thank-you letters from Saplings School Program participants.

THank
you
Shawna Hartung
Scott

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Getting Outdoors: Arboretum Programs Take Children Back to Nature

SHAWNA HARTUNG, EDUCATION SUPERVISOR,
AND MEG MATTHEWS, COMMUNICATIONS ASSISTANT

Did you spend your childhood playing in creeks, constructing elaborate tree houses, or aimlessly wandering through the woods? If so, it may be surprising to learn that today's children spend little time outdoors. The influences of digital media, housing covenant rules, parental safety concerns, and an urbanizing world result in youth experiencing what author Richard Louv has coined *nature deficit disorder*: the psychological, physical, and social effects of being uprooted from the natural world.

Why does it matter? Beyond the impacts to healthy child development, kids who don't have unstructured outdoor playtime can be less connected to nature. This effect has raised concerns about whether the next generation of environmental stewards will have experienced enough wildness to care about saving it. Nature deficit could mean that fewer young people will be drawn to learning horticulture, maintaining the Arboretum, or protecting the Union Bay Natural Area.

After the 2005 publication of Louv's book, *The Last Child in the Woods*, back-to-nature movements emerged nationwide. At the Arboretum, children have made friends with bugs and mud since the early 1980s, when volunteers began an outdoor program to help local children appreciate plants. In 1994, the University of Washington launched a formal on-site program for third through fifth graders in local schools.

Continued on Page 8

Director's Notes

SANDRA LIER

Late summer has arrived! If you are like every other horticultural enthusiast, you are outdoors enjoying the natural beauty of the Pacific Northwest. Please take time to visit the Center for Urban Horticulture, where the Soest Garden is putting on a glorious show of flowers and grasses. As you pass through the entryway to Merrill Hall, enjoy the newly installed Fragrance Garden, donated and maintained by the Seattle Garden Club.

Walk through the Union Bay Natural Area on your way to the Arboretum in Washington Park. Throughout the year, students have labored on shoreline renovation projects, and the area is a delightful place to enjoy sunshine, native plants, and wildlife. A series of trails link the various areas of plantings, natural area, and shoreline through Foster Island and into the Arboretum.

Soon, the Arboretum's Pacific Connections Garden will be ready for public enjoyment. Save the date of September 20 for a grand opening that includes tours, entertainment, food, and fun. The Seattle Parks Department, the Arboretum Foundation, and the University of Washington Botanic Gardens are planning a memorable day that will let you "Travel the World in Your Own Backyard." In future phases, Pacific Connections will contain focal forests from Cascadia, New Zealand, Australia, China, and Chile. In September, you will be able to explore the new interpretive shelter and entry gardens. We look forward to seeing you there!



Autumn arrives at the Soest Garden. Photos courtesy Larry Howard.

Camas Quarterly

Camas Quarterly is named for the Northwest native plant *Camassia esculenta*, a beautiful perennial herb with a significant ethnobotanical history. It has been an important food source for First Peoples (Native Americans) in the region.

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www.uwbotanicgardens.org

WASHINGTON PARK ARBORETUM UNION BAY NATURAL AREA UNION BAY GARDENS
CENTER FOR URBAN HORTICULTURE ELISABETH C. MILLER LIBRARY OTIS DOUGLAS HYDE HERBARIUM

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MISSION: *Sustaining managed natural ecosystems and the human spirit through plant research, display, and education*

News from UW Botanic Garden

NOTABLE NEW TREES FROM THE ARBORETUM'S 2007-2008 PLANTING SEASON

RYAN GARRISON, GARDENER

Each year, UW Botanic Gardens grounds crews install new trees in the Arboretum, from rare exotic species to beautiful local favorites. Read on for highlights from the latest planting season.

Keteleeria evelyniana

A rare tree from the mountains and river basins of southwest China. This large evergreen can be 130 feet tall (40m), and its drooping branches form a beautiful shape. Two new trees in the Pinetum are visible from the intersection of Lake Washington Boulevard and Foster Island Drive.

***Malus 'Whitney'* (Whitney crabapple)**

In the 1850s, Nathan Whitney and his son, Alexis, noticed one of their seedling orchard's trees produced excellent fruit. They made grafts and developed this tree, which displays pink and white spring blossoms and produces 1 ½-inch red and yellow fruit. Nathan Whitney is the great-great-great grandfather of Seattle Mayor Greg Nickels, who helped plant this tree on Azalea Way in October 2007.

Cedrus deodara 'Curly Locks'

An introduction from Wells Nursery in Mount Vernon, Washington. A Deodar Cedar with distinctive curling branches. We



Ilex aquifolium

moved this large tree from the nursery to just southwest of the Wilcox footbridge.

***Ilex aquifolium 'Ferox Argentea'* (hedgehog English holly)**

One of the more distinctive individuals planted in the new holly collection. This old cultivar was first reported in England in 1662. The typical spiked *Ilex aquifolium* leaf is taken to extremes; spines are not limited to the leaf margin but cover the entire leaf. The leaves are variegated with mostly white margins and spines, producing quite an amazing show. This plant is a sterile male clone and will not contribute to the *Ilex aquifolium* weed problem. This large tree was moved with the aid of a 90-inch tree spade.

RECENT GRANTS AND GIFTS

The Native Plant Propagation Program

received \$8250 from King County's Wild Places in City Spaces grant program. This gift helps fund native plant work in the Arboretum's holly collection. The Native Plant program partners with Seattle Youth Garden Works in winter and with Student Conservation Association in summer.

The **Miller Foundation** gave \$33,055 for UW Botanic Gardens' Rare Care program. The gift provides support for the Miller Seed Vault and a feasibility study on storing fern spores in the vault.

The **Ruth Mary Close** gave \$200,000 to support the maintenance of the Washington Park Arboretum. Years ago, her parents, Clarence and Marian Larsen, established an endowment to provide funding for the same purpose. In honor and memory of the Larsens and to continue a family tradition of supporting the Arboretum, Ms. Close's gift will be added to her parents' endowment. Ms. Close and her husband, Don, were highly active in the Arboretum Foundation; she was a long-time member of the editorial board, and Don served as president.

When asked why she funded Arboretum maintenance, Ms. Close said, "We were both avid gardeners, so we know that if you don't take care of it, you have nothing." We are delighted that she has made this generous gift to UW Botanic Gardens, which will provide support for maintenance in perpetuity.

BURKE MUSEUM PRESENTS ARCTIC WILDLIFE PHOTOGRAPHY EXHIBITS

As a Burke Museum Community Partner, UW Botanic Gardens celebrates the presentation of two exhibits that call attention to the environmental impacts of global warming.

The Last Polar Bear: Facing the Truth of a Warming World

June 28 – December 31, 2008

Take an intimate look at the Arctic's stunning landscapes and magnificent wildlife, including the iconic polar bear. Photographer Steven Kazlowski spent nearly 10 years in this remote, seldom-visited North American outpost. The exhibit also includes Northwest filmmaker Arthur C. Smith's *Ice Bears of the Beaufort*.

Arctic Wings: Miracle of Migration

September 13 – December 31, 2008

See 30 images documenting the epic journeys of migratory birds from six continents to their Arctic nesting grounds.

For more information, visit
www.burkemuseum.org.

THE BURKE MUSEUM OF NATURAL HISTORY AND CULTURE

2-for-1 Admission

June 28 - December 31, 2008

The Last Polar Bear:
Facing the Truth of a Warming World

September 13 - December 31, 2008

Good for one free admission with purchase of one adult admission

www.burkemuseum.org

206.616.3962

Valid only during the above exhibits. Not valid with any other offer.

Miller Library News

FALL GARDENING TIPS FROM THE PLANT ANSWER LINE

REBECCA ALEXANDER

PLANTING Plant trees, shrubs, perennials, and spring bulbs while temperatures are above freezing. Divide perennials, including crowded hosta, iris, and lily clumps.

SEEDS In September and October, sow seeds for overwintering lettuce and spinach; at the same time, sow under cover cabbage, coriander, lettuce, mustard greens, radishes, and arugula. Sow and overwinter some annuals (e.g., alyssum, Johnny jump-up, sweet peas, bachelor's buttons, poppies, love-in-a-mist).

Professional photographer Joy Spurr gifted the Miller Library with more than 8000 slides of her photographs. This rare visual library of plants includes 1000 images of mushrooms. The library is processing the collection to determine how it can be put to public use. Spurr also donated more than 100 books about mushrooms.

EDIBLE PLANTS Remove fallen leaves around fruit trees to prevent pests and disease. Harvest the last tomatoes. Ripen in a cool, dark place, or stress plants out by shoveling into the soil about 10 inches from each base. Plant garlic cloves for next summer's harvest. In early fall, sow "green manure" (e.g., crimson clover, hairy vetch, or rye).

SOIL Apply compost mulch under trees and shrubs, particularly roses, azaleas, and rhododendrons. Mulch builds healthy soil and can help suppress weeds.

CUTTING BACK Remove and destroy dead, damaged, or diseased branches and foliage. Deadhead and tidy perennials; leave some seedheads for birds (i.e. coreopsis,

echinacea, echinops, eryngium, and ornamental grasses, unless plants show signs of becoming invasive). In November, cut back leggy roses by no more than one-third. Do not cut back spring-flowering shrubs, epimedium, kniphofia, hardy cyclamen, or lavender.

There are many fine resources in the Miller Library to help you with your fall gardening projects!

Rebecca Alexander is the Plant Answer Line Librarian at the Miller Library.

Submit your questions about gardening and plants anytime. Email hortilb@u.washington.edu, or call 206-UW-PLANT (897-5268). The line is staffed during regular library hours.

MILLER LIBRARY STAFF FAVORITE FALL PLANTS:

Brian Thompson, Curator of Horticultural Literature and Interim Manager

Cyclamen hederifolium: Lovely pink to white flowers, grows in dry shade. Best is the myriad of leaf patterns. And they last! Mine browned into dormancy in late May.

Crocus speciosus (autumn-flowering): An incredible shade of lavender blue. Plant deep, especially under a *Parrotia persica* (Persian ironwood) so red-yellow-green fallen leaves mingle with crocus flowers. Stunning!

Carrie Bowman, Library Staff

Rudbeckia laciniata (cutleaf coneflower) astounds me: it grows six feet in a season. It blooms in late July and flowers can last beyond October. I bring the seed heads inside for winter-long arrangements. It's virtually pest-free, excepting spittle bugs, which are easy to squish.

Nerine bowdenii (Guernsey lily) blooms in September and lasts until hard rains begin. It tolerates cold weather and is pest-free in my experience. My pink variety is a bright spot during gray autumns. I give both plants supplemental water about four times each year.

Laura Blumhagen, Library Staff

Rosa banksiae 'Lutea' and *'Alba Plena'* (Lady Banks' rose) is nearly thornless; leaves and stems stay a lovely green through fall. It is a vigorous, carefree grower in fairly dry soil. Tiny pom-pom flowers are a springtime bonus.

Acer circinatum, our native vine maple, often has vibrant fall color, and its lovely airy branching pattern even looks great leafless.

Martha Ferguson, Library Staff

Parthenocissus henryana (silvervein creeper) is a better behaved climber than most of its close relatives. It does well in smaller spaces and shade. The satiny leaves have silver veins and purple-tinted backs. At the end of the garden year, the colors are remarkable: brilliant reds, golds, and purples.

Anemone hupehensis v. japonica 'Prinz Heinrich' isn't so tall or rampant as many Japanese anemones, and its flowers are the most beautiful dark pink. They are semi-double with wonderfully wavy-margined petals like velvet ruffles.



Left to right: *Potentilla fruticosa*, *Crocus speciosus*, and *Parrotia persica* in our librarians' home gardens.

Rebecca Alexander, Plant Answer Line

Ceratostigma plumbaginoides (plumbago) flowers from summer through October. The startling cobalt blue blooms are a pleasant surprise beneath trees and shrubs. The red fall leaves have subtly hairy edges. When flowering finishes, seed heads add texture.

Potentilla fruticosa 'Katherine Dykes' (shrubby cinquefoil) is covered in butter yellow flowers from late spring to November. The delicate, slightly fuzzy leaves make great mulch.

Tracy Mehlin, IT Librarian

I love single Chrysanthemums. I grow warm pink 'Mary Stoker' and 'Apricot.' Mary Stoker has yellower flowers, grows taller, and flowers earlier than Apricot.

Fothergilla is lovely in the fall, too. The multicolored leaves are so beautiful.



Community Connections

PACIFIC CONNECTIONS UPDATE: THE GARDEN IS HERE!

ALISON WARREN, VISITOR SERVICES

Pacific Connections Grand Opening

Don't miss the Grand Opening for the new **Pacific Connections Garden on Saturday, September 20, 2008, from 11 a.m. – 3 p.m.** at the south end of the Arboretum. Sponsored by UW Botanic Gardens, Seattle Parks and Recreation, and the Arboretum Foundation, the event will feature a ribbon cutting, speeches by Seattle Mayor Greg Nickels and UW Provost Phyllis Wise, garden tours, music, and children's activities. Bring the whole family to join the celebration!

From Seed Pods to iPods

Eager to learn more about the plants at UW Botanic Gardens, but keep missing our tours? Now you can take a tour anytime, anywhere, with two brand new garden audio guides that will be available to the public in fall 2008. The guides provide

visitors with a wealth of information at their fingertips, featuring gardens at both sites: the demonstration gardens at the Center for Urban Horticulture and the new Pacific Connections Garden at the Arboretum. The Northwest's own Jack Straw Productions produced the audio for these innovative, self-guided programs, the first developed for Pacific Northwest gardens.

Download the files from our website and visit the gardens at your leisure to combine the beauty of nature with the in-depth knowledge of local experts. At the Center for Urban Horticulture, the audio guide invites you to use your senses to explore the gardens. Start in McVay Courtyard and hear from its designers as grasses rustle in the background. Next, follow your nose through the Fragrance Garden while a horticultural therapist explains the importance of fragrance to health and well-being. The fountain's splash beckons you to the third stop, which highlights the Soest Garden's seasonal succession of plants. Finish at the Dry Bed, where you can

Gardener Ryan Garrison works to transplant the Chilean Laureliopsis phillipiana into the Pacific Connections Chilean entry garden.

learn more about planting for year-round interest and runoff management.

The Pacific Connections Garden audio guide takes you on a trip around the world, providing an in-depth exploration of the iconic plants representing the garden's five regions: Chile, China, Cascadia, New Zealand, and Australia. Regionally inspired music transports you around the Pacific Rim as you listen to stories about each of the plants, from western red cedar's role in Pacific Northwest culture, to the relationship between New Zealand flax and the Tui bird. This guide draws on the diverse knowledge of its contributors, including a Native American basket weaver, the UW Botanic Gardens collections manager, and a paleobotanist. Each person lends a unique voice to your experience, sharing a story about the significance of the garden's plants to humans and the natural world.

Beginning this fall, MP3 players will be available to rent for \$5 at the Arboretum's Graham Visitors Center and the Center for Urban Horticulture's Merrill Hall. The audio files will also be available to download for free, 24 hours a day, from the UW Botanic Gardens website: www.uwbotanicgardens.org.



Jennie Cecil Moore interviews Master Gardener and writer Marty Wingate about the Soest Garden.

Classes & Events

For more information or to register, contact Jean Robins at jrobin@u.washington.edu or 206-685-8033 or visit www.uwbotanicgardens.org and follow the link for Public Education.



PHOTO: LARRY HOWARD

Family Activity: Park in the Dark FREE

Choose any one of the following dates

Thursday, September 25, 6:30 – 8 p.m.

Friday, September 26, 6:30 – 8 p.m.

Saturday, September 27, 6:30 – 8 p.m.

Meet at *Graham Visitors Center, Arboretum*

FOR CHILDREN WITH ADULT GUARDIANS;

LIMIT 20 PEOPLE

It's nighttime in the Arboretum, but the forest isn't sleeping! Learn about the adaptations of nocturnal animals and see the gardens in whole new light during this special family adventure. Become a bat or a moth, test your sense of smell, and use your "Deer Ears" to hear night sounds. Games and activities are designed for families with children ages 4 – 12. Park in the Dark is part of Take a Child Outside Week: <http://takeachildoutside.org/>.



Union Bay Natural Area Walking Tour and Insect Safari

Saturday, October 4, 1 – 3 p.m.

Meet at *Union Bay Natural Area trailhead, Center for Urban Horticulture*

TOUR LEADERS: KERN EWING, UW BOTANIC GARDENS HEAD OF RESTORATION AND SHARON COLLAMAN, ENTOMOLOGIST

FEE: \$10; PRE-REGISTRATION REQUIRED

Take a tour of this former landfill, now restored into a wildlife habitat and bug-viewing hotspot. Come satisfy your curiosity about the insect world! Bring a net if you have one and dress for the weather. Tour takes place rain or shine.



PHOTO: LARRY HOWARD

Creating Herbarium Specimens as Botanical Art

Saturday, October 18, 9 a.m. – 12 p.m.

Douglas Headhouse, Center for Urban Horticulture
WENDY DESCAMP, HERBARIUM MANAGER AND COLLEGE OF FOREST RESOURCES GRADUATE STUDENT

FEE: \$30; PRE-REGISTRATION REQUIRED

Herbarium specimens have great scientific importance and show off the beauty of plant foliage, flowers, and fruits. Learn how to collect and press plant samples that will be made into herbarium specimens. The specimen you create in class can be taken home. Receive tips on how to make at-home collections from your garden plants. Class will include an indoor presentation, tour of Hyde Herbarium, and an outdoor hands-on demonstration

Nature Journaling

Sunday, October 19, 8:30 a.m. – 4 p.m.

Douglas Headhouse, Center for Urban Horticulture
INSTRUCTOR: HEATHER A. WALLIS MURPHY
FEE: \$70; PRE-REGISTRATION REQUIRED

Join wildlife biologist and watercolorist Heather A. Wallis Murphy for this fast-paced and fun class designed to explore both the science and art of field observations. Participants will connect with their environment by recording the small details of the surrounding natural world. Media are pen and ink, pencil, and use of either watercolor or color pencil (whichever the student is comfortable with), in journals or sketchbooks.

Class supplies are listed on Wallis Murphy's website at: <http://www.wildtales.com/pages/events.html>.

Miller Library Storytime: Plant Detectives FREE

Saturday, September 20, 10 – 10:45 a.m.

Miller Library, Center for Urban Horticulture

Pacific Connections Garden Grand Opening FREE

Saturday, September 20, 11 a.m. – 3 p.m.

Directions will be available at
Graham Visitors Center

FREE AND OPEN TO THE PUBLIC

Travel the world in your own backyard! Come celebrate the grand opening of the new Pacific Connections Garden, featuring displays from five Pacific Rim regions. Fun for the whole family, with activities, tours, and more. Watch for upcoming details at www.uwbotanicgardens.org.

Landscaping with Native Plants

Tuesday, October 7, 7 – 8:30 p.m.

Douglas Classroom, Center for Urban Horticulture

INSTRUCTOR: GREG RABOURN

FEE: \$25; PRE-REGISTRATION REQUIRED

Native plants are increasing in popularity, and they aren't just for restoration sites. These plants are not only good for people and wildlife, but also provide year-round interest in the garden, and thrive in our wet winters and dry summers. Learn different design tips for both formal and more natural designs that incorporate wildlife-friendly, low maintenance, beautiful plants into your landscape.

Miller Library Storytime: Fall Fruit Festival FREE

Saturday, October 11, 10 – 10:45 a.m.

Miller Library, Center for Urban Horticulture



PHOTO: STEPHANIE JETER

Yoga and Nutrition Workshop

Saturday, October 25, 9 a.m. – 4 p.m.

Graham Visitors Center, Arboretum

INSTRUCTORS: JOHNNA DIETZ, CERTIFIED NUTRITIONIST AND MASSAGE THERAPIST, AND SHAWNA HARTUNG, CERTIFIED YOGA TEACHER AND ENVIRONMENTAL EDUCATOR

FEE: \$125; INCLUDES FOOD AND REFRESHMENTS; PRE-REGISTRATION REQUIRED

Experience a nourishing day of nutrition, nature, meditation, and movement. Delight in a guided hike through vibrant fall colors. Enjoy local and organic food, and learn nutritional and cooking tips for the holidays. Learn basic yoga postures for increased balance, strength, and flexibility. Relax and revive yourself in a beautiful garden setting. Come experience your own inner harvest in the Arboretum this fall. Please bring a yoga mat, water, and yoga block.

ProHort Series

For professional continuing education; ISA certification credits pending.

Identification and Management of Invasive Plants

Thursday, October 23, 9 a.m. – noon
Douglas Classroom, Center for Urban Horticulture

INSTRUCTOR: SASHA SHAW, EDUCATION SPECIALIST, KING COUNTY NOXIOUS WEED CONTROL PROGRAM

FEE: \$35; PRE-REGISTRATION REQUIRED

WSDA AND ISA CERTIFICATION CREDITS PENDING

Non-native weeds cause serious ecological disturbances by choking out other plant life, ultimately altering habitats and reducing biodiversity. Sasha Shaw will discuss the devastating impact of invasive non-native plants on our local ecosystems. She will also teach identification and management of the most common problem invasives, including aquatic plants, found in our region.

Kubota Garden Tree Tour

Sunday, October 26, 3 – 5 p.m.

Kubota Garden; meet in the parking lot 9817 55th Avenue S., Seattle, WA 98118

INSTRUCTOR: ARTHUR LEE JACOBSON, AUTHOR, "WILD PLANTS OF SEATTLE" AND "TREES OF SEATTLE"

FEE: \$25; PRE-REGISTRATION REQUIRED

The always-lovely Kubota Garden Park is at its finest when its summer greenery changes into resplendent autumn colors. The well-planted garden offers a rich array of shrubs and trees, along with many vistas, ponds, large rocks, ornate bridges, and gates. Thirty-two of its different kinds of trees are cited in Jacobson's Trees of Seattle. Many are exquisitely photogenic; a few are the largest specimens known; at least one will likely be a delightful new discovery for you. Dress for the weather; tour takes place rain or shine. Visit www.kubota.org

Fabulous Shades of Autumn

Sunday, November 2, 12 – 2 p.m.

Meet at Graham Visitors Center, Arboretum

INSTRUCTOR: RANDALL HITCHIN, UW BOTANIC GARDENS LIVING COLLECTION MANAGER AND REGISTRAR

FEE: \$25; PRE-REGISTRATION REQUIRED

Ever wondered why some trees turn bright colors in the fall? Find out why and discover some fabulous autumn foliage plants for your garden. This walking tour covers identification, ethnobotany, and natural history of 20 trees and shrubs. The Pacific Northwest's preeminent woody plant collection is the classroom! Dress for the weather; tour takes place rain or shine.

Botanical Drawing I: Introduction to Drawing Botanical Forms

Five-part series:

Thursdays, November 6 – December 11,

7 – 9:30 p.m. NO CLASS ON THANKSGIVING

Isaacson Classroom, Center for Urban Horticulture

INSTRUCTOR: KATHY MCKEEHEN

FEE: \$160; PRE-REGISTRATION REQUIRED

This course is designed as a self-contained unit, or as an introduction to Botanical Drawing II, for individuals who have limited experience or would like to improve drawing skills.

Students will learn about drawing tools, papers, and basic plant forms as they progress through exercises and homework assignments. The emphasis will be on accurate line drawing, the foundation of good botanical art. Bring drawing paper, pencil, and eraser to the first class, where a more complete materials list will be provided.

Miller Library Storytime: Children's Choice

FREE

Saturday, November 22, 10 – 10:45 a.m.

Miller Library, Center for Urban Horticulture

Miller Library Storytime: Towering Evergreens

FREE

Saturday, December 13, 10 – 10:45 a.m.

Miller Library, Center for Urban Horticulture

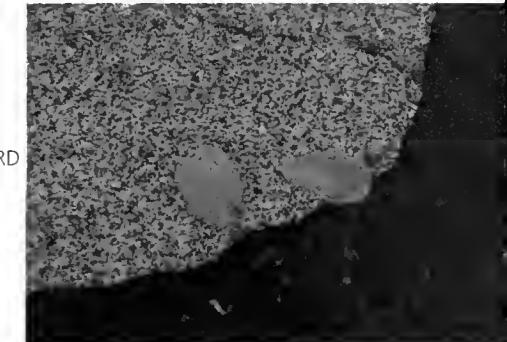


PHOTO: LARRY HOWARD

Arboretum Foundation Events

For more information, visit www.arboretumfoundation.org or call 206-325-4510.

Fall Bulb and Plant Sale

Sunday, October 5, 10 a.m. – 3 p.m.

Graham Visitors Center, Arboretum

Member Pre-Sale (bulbs only):

Saturday, October 4, 12 – 2 p.m.

Don't miss this wonderful fall event, featuring the largest and finest selection of spring-blooming bulbs in the Northwest. Many new and exciting varieties will be on offer, along with rare and unusual bulbs, heirlooms, and garden favorites. Many of the area's leading vendors and nurseries will sell companion plants and bulb-related products.



PHOTO: LARRY HOWARD

Celebrate the Reds

Saturday, October 11, 12 – 4 p.m.

Wells Medina Nursery, Medina, WA

Wells Medina Nursery hosts this annual celebration of fall color, fine wines, and Northwest gardens.

Savor award-winning vintages while you enjoy live music and cooking demonstrations, and browse the nursery's renowned selection of plants. A wine tasting will benefit the Arboretum. 8300 NE 24th St. For information, call 425-454-1853.

Greens Galore

Saturday, December 6, 10 a.m. – 3 p.m.

Graham Visitors Center, Arboretum

Member Pre-Sale:

Friday, December 5, 12 – 2 p.m.

A holiday tradition, Greens Galore offers freshly cut and dried botanical treasures, one-of-a-kind wreaths, hand-made gifts, crafts, and more for the holidays. You'll find beautiful, ready-made decorations or just about everything you'll need to create your own. Free admission and parking.

BOX 354115
SEATTLE, WA 98195-4115

Indulge in Hart classes.
See page 7

Getting Outdoors *Continued from Page 1*

Today, UW Botanic Gardens provides hands-on, experiential outdoor education to more than 6,000 students each year. Education Supervisor Shawna Hartung and Program Assistant Lisa Sanphillippo coordinate programs for pre-K to high school. The Seedlings Preschool, Saplings School Program, Summer Sleuths, and self-guided Explorer Packs foster understanding, appreciation, and stewardship ethics for plants and wildlife. Low program fees let all schools get outdoors, regardless of ability to pay.

On a class trip to the Arboretum, students may measure and dissect flowers, investigate Lake Washington invertebrates, or act out the parts of a tree. Volunteer guides and seasonal staff are trained to provide students with positive outdoor experiences, striking a balance between meeting curriculum goals and providing opportunities for open exploration. Committed, creative volunteers are central to introducing children to the natural world, since many students arrive feeling uncertain about being in the woods.

"Some students have their very first outdoor experiences on Saplings field trips," Hartung said. "Students may find the forest frightening or unfamiliar; our hope is that those feelings will shift by the end of their Arboretum experience. I want kids to go home excited to get outside."

UW Botanic Gardens always needs new guides for education programs. Want to help take a child outdoors? To learn more or volunteer, contact Shawna Hartung at 206-616-3381. Someday, you may receive thank-you letters from students like this fourth grader, who recently wrote: *Thank you for showing me a new world that I will forever remember in my future.*

Kids will have a special opportunity to get outside at 'Park in the Dark,' an exciting family activity held during national Take a Child Outside Week. See the calendar for more information.



GRAND OPENING

Pacific Connections Garden

Saturday, September 20, 11 a.m. – 3 p.m.
Directions will be available at Graham Visitors Center
FREE AND OPEN TO THE PUBLIC

Travel the world in your own backyard! Come celebrate the grand opening of the new Pacific Connections Garden, featuring displays from five Pacific Rim regions. Fun for the whole family, with activities, tours, and more. Watch for upcoming details at www.uwbotanicgardens.org.